

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Diyun Huang et al.
Serial No. : 10/775,836
Filed : February 10, 2004
Title : STERICALLY HINDERED PI-BRIDGE NONLINEAR OPTICAL
CHROMOPHORES, PROCESSES INCLUDING SAME, AND DEVICES
THEREFROM

Art Unit : 1626
Examiner : Unknown

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
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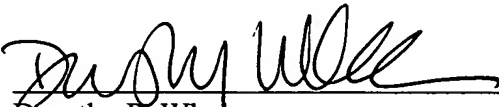
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2. Form PTO-1449 (4 pages); and
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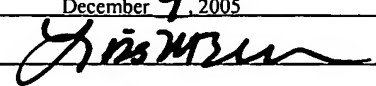

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INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/932,831, filed on 8/17/2001. All of the references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application.

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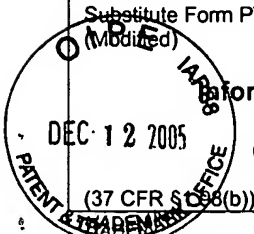
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Substitute Form PTO-1449 (Modified)  Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR § 1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14414-025001	Application No. 10/775,836
	Applicant Diyun Huang et al.		
	Filing Date February 10, 2004	Group Art Unit 1626	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	4,421,761	12-1983	Nagai et al.			
	2	5,080,991	01-1992	Ono et al.			
	3	5,290,630	03-1994	Devonald et al.			
	4	5,670,091	09-1997	Marder			
	5	5,679,763	10-1997	Jen			
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	10	6,130,339	10-2000	Tan et al.			
	11	6,197,921	03-2001	Tan et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	12	195 32 828	03-1996	DE			Abst.	
	13	44 01 911	08-1995	DE			Abst.	
	14	44 16 476	11-1995	DE			Abst.	
	15	0 414 185	02-1991	EP				X
	16	0 637 774	02-1995	EP				X
	17	0 729 056	08-1996	EP				X
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	19	08-108624	04-1996	JP			Abst.	
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	22	61-65881	04-1986	JP				
	23	2-244059	09-1990	JP				
	24	3-31850	02-1991	JP				

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							Yes	No
	25	WO 01/53746	07-2001	WIPO				
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	27	Kaneko et al., CA131: 20257, 1999
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	44	Kato et al., "N-Substituted chloroacetanilides," <u>Chemical Abstracts</u> , Accession No. 1986:460516, 1986, See also JP 61-65881

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Other Documents (include Author, Title, Date, and Place of Publication)		
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	45	Mavlankar & Rangnekar, "Synthesis of 2-(aryl/hetaryl)-azo-3,4-dihydroxy-5-(4-nitrophenyl)-thiophene-1, 1-dioxone derivatives and their dyeing properties," <u>Indian Journal of Fibre & Textile Research</u> , 1991, 16:282-284
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	64	Dalton, "Polymeric Electro-optic Materials Optimization of Electro-optic Activity, Minimization of Optical Loss, and Fine Tuning of Device Performance," <u>Opt. Eng.</u> , 2000, 39(3):589-595
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	66	Shi et al., "Low (Sub-1-Volt) Halfwave Voltage Polymeric Electro-optic Modulators Achieved by Controlling Chromophore Shape," <u>Science</u> , 2000, 288:119-122
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	76	Raimundo et al., "Push-pull chromophores based on 2,2'-bi(3,4-ethylenedioxythiophene) (BEDOT) π -conjugating spacer," <u>Tetrahedron Letters</u> , 2001, 42:1507-1510
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